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A black and white photograph of a building facade. The image is somewhat dark and grainy. On the right side, there is a large, dark rectangular window or door. To its left, there is a lighter, possibly white, wall or section of the building. The overall appearance is that of a photograph taken from a distance, showing the exterior of a structure.

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SOURCE                Newspapers as indicated.

REPORT ON PRECISION AND HEAVY MACHINE TOOLS;  
THREAD-ROLLING AUTOMATICS

MASTER PRODUCTION OF TP-1-M LATHE -- Tbilisi, Zarya Vostoka, 3 Sep 52

The Tbilisi Foundry and Machinery Plant of the Ministry of Labor Reserves has mastered the production of new high-precision lathes, Model TP-1-M. Photograph of Model TP-1-M on Zarya Vostoka, 3 September 1952 available in CIA.

DESIGN NEW HIGH-PRECISION GEAR-GRINDING MACHINE -- Moscow, Moskovskiy Komsomolets,  
10 Sep 52

Soviet machine tool builders have designed a new high-precision gear-grinding machine for grinding spur gears. The productivity of the new machine tool is five to eight times as great as those used earlier. The new machine tool is unmatched anywhere in the world. [Photograph of the new gear-grinding machine in Moskovskiy Komsomolets, 10 September 1952, available in CIA.]

FIRST THREAD-ROLLING AUTOMATICS FOR METALLURGICAL INDUSTRY -- Vil'nyus, Sovetskaya  
Litva, 19 Aug 52

The Gomei' Machine Tool Building Plant imeni Kirov has manufactured the first thread-rolling automatics intended for enterprises of the metallurgical industry and railroad transport. The new aggregate differs from this type of machine tool of earlier design by its high productivity. It can thread 45 screws per minute. It is completely automatic and simple in its controls. It is attended by one worker. In plant testing, the thread-rolling automatic showed high operating qualities.

This is the third type of complex metalworking machine tools whose production has been set up by the enterprise in 1952.

PERFECTING NEW THREADING MACHINES -- Tbilisi, Zarya Vostoka, 10 Aug 52

The Tbilisi Machine Tool Plant imeni Kirov has started to perfect two new machine tools, Model 9V175 coupling-threading machine and Model TT-20 screw-cutting (namotochnyy) lathe.

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## OUTLINE TASKS OF MACHINE-TOOL PLANT -- Tbilisi, Zarya Vostoka, 29 Aug 52

The Tbilisi Machine Tool Building Plant imeni Kirov is subordinated to the Main Administration of Heavy Machine Tool Building Industry of the Ministry of Machine Tool Building USSR. It produces machine tools from 3 to 60 tons in weight including precision machine tools. Machine tools with this plant's trademark are shipped to enterprises of the Ministries of Ferrous Metallurgy, Petroleum Industry, Coal Industry, Construction of Heavy Industry Enterprises, and of other leading branches of the national economy.

The plant is now putting out four times as many machine tools as it did in 1948. It must provide a sharp increase in output of products by the end of 1955. Its basic type of product in the Fifth Five-Year Plan will remain the universal screw-cutting lathe. However, the lathe will be completely modernized, with consideration given to increased speeds. In addition, production must be set up for 16 new types of machine tools.

In 1952, the plant manufactured and shipped 21 machine tools to construction projects. At present, machine tools are being produced for enterprises that build special heavy equipment for construction projects. For example, the first 14 machine tools of five different types are intended for the production of heavy-duty electrical equipment.

Constant-flow production of universal screw-cutting lathes has been organized at the plant. It has been ascertained that with a minimum increase of equipment and special outfitting, production can be increased by 500-600 machine tools per year.

Although the plant is exceeding its planned tasks, it could produce many more machine tools if its shops were not guilty of significant losses in the form of nonproductive expenditures, rejects, standstills, and overtime work. In 7 months there were 7,731 hours of idling. If labor consumption for the manufacture of one screw-cutting lathe is 559 hours, it is clear that 14 machine tools were lost. In this period, overtime work cost the plant 13,000 rubles; losses due to rejects, 191,000 rubles; and supplemental payments for deviating from the technology of production, 102,000 rubles. -- A. Meladze, director, Tbilisi Machine Tool Building Plant imeni Kirov

## PROMISE RELEASE OF MODERNIZED SCREW-CUTTING LATHE IN 1953 -- Tbilisi, Zarya Vostoka, 9 Sep 52

The basic product of the Tbilisi Machine Tool Building Plant imeni Kirov has been the Model LD63A universal screw-cutting lathe.

A group of designers at the plant has developed a design of a new, modernized universal screw-cutting lathe, Model LD63M. The spindle speed in the new machine tool has been increased from 750 to 1,000 revolutions per minute, and the power of the main drive electric motor has been increased from 10 to 14 kilowatts. This will make it possible to increase the cutting speed from 30-40 percent.

Work on the modernized machine tool will be completed in the fourth quarter of 1952 and industrial enterprises throughout the country will begin to receive this type of machine tool in 1953.

## ONE TBILISI PLANT DOES WELL, ANOTHER LAGS -- Tbilisi, Zarya Vostoka, 13 Sep 52

The Tbilisi Machine Tool Building Plant imeni Kirov met the 8-month plan for gross production 107.7 percent and increased the output of machine tools as compared with this period in 1951 by 31.9 percent.

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The Tbilisi Tsentrolit Plant which supplies the Plant imeni Kirov with castings is not doing so well. It fulfilled only 98 percent of its 8-month plan.

[Photograph of a shop at the Tbilisi Machine Tool Building Plant imeni Kirov in Zarya Vostoka, 23 September 1952, available in CIA.]

ASSEMBLE THREE NEW MACHINE TOOLS -- Moscow, Moskovskiy Komsomolets, 20 Sep 52

On 18 September, the Kolonna Heavy Machine Tool Building Plant completed the assembly of three new machine tools: a hydraulic slotter, a horizontal gearmilling machine, and a shaper.

TEST NEW PLANING MACHINE -- Moscow, Izvestiya, 27 Aug 52

Testing of a heavy planing machine has just been completed at the Novosibirsk Plant imeni Yefremov. The length of its bed is 18.5 meters. The machine tool itself weighs 130 tons.

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